



HAVELLS

Powering Lives...

ENTERPRISE SOLUTIONS

LV SWITCHGEAR & POWER QUALITY

Pricelist w.e.f. 11th March, 2025

ABOUT US

Redefining the modern homes with innovation and excellence

Havells is at the forefront of transforming modern living spaces by offering innovative solutions that elevate everyday experiences. With a deep understanding of consumer needs, the company has expanded its footprint across every aspect of home life, creating environment that are not only functional but also comfortable, stylish, and future-ready. To make these solutions accessible, Havells leverages an extensive distribution network encompassing 18,000 dealers, over 1,000 exclusive brand stores, intensifying presence in modern retail, e-commerce and quick commerce.

The company's portfolio includes power brands like Havells, Havells Crabtree, Lloyd, REO, Havells Studio, and Standard each designed to cater to the unique demands of today's consumers.

Anchored in the 'Make in India' initiative, Havells operates 16 cutting-edge manufacturing facilities across India, producing 90% of its products in-house. At the forefront of Havells product evolution lies its Customer Experience & Designs (CXD) Studio, where creativity and user-centric design converge. This is complemented by its Centre for Research & Innovation (CRI), supported by four advanced R&D centres, enabling Havells to consistently deliver products that are both functional and visually compelling.

Driven by a commitment to innovation, quality, and design, the company also upholds sustainable practices throughout its operations, including eco-friendly manufacturing processes and energy-efficient product design, contributing to a greener and more sustainable future.



CORPORATE OFFICE, NOIDA



State-of-the-Art Manufacturing Unit



Industry 4.0 Process



Center For Research & Innovation



Customer Experience & Design

16 Manufacturing Units

~18000 Strong Dealer Network

4 Research Centres

48 Offices

DRIVEN BY INNOVATION. POWERED BY INDIA.



Innovation



Technology



Digitalization



Power Quality Solutions



Power Quality Solutions

MPP Power Capacitor



Power Capacitors			
Parameters	Splendid Duty	Heavy Duty Plus / Heavy Duty	Super Heavy Duty
Type	MPP	MPP	MPP
Over Current withstand capacity upto	1.6 X Ir	2.4 X Ir / 2.2 Ir	3.2 X Ir / 3.0 X Ir
Peak Inrush Current Withstand Capacity upto	250 times	350 times / 350 times	500 times / 500 times
Total Losses	≤0.45 W / kVAr	≤0.45 W / kVAr	≤0.45 W / kVAr
No of switching per year	35000	50000 / 52500	65000 / 80000
Max Ambient Temp (°C)	55 °C	55 °C	55 °C
Operating life in hours	120000 hours	200000 hours / 215000 hours	250000 hours / 300000 hours
Notch Shield	Yes	Yes	Yes
Over pressure Disconnecter	Yes	Yes	Yes
Triple Safety	Yes	Yes	Yes
Certification	ISI Marked		
Conforms to standard	IS: 13340 / IEC: 60831		

Selection of Capacitor

Selection of Capacitor Type is first decision to be made
 Power Factor Correction Capacitor can be classified as follows.
 Splendid Duty - Torrent and Mini Master / Master
 Heavy Duty - Phantom & Champ
 SHD / UHDXL- Warrior and Champion (Double Di-electric)

Refer following table for the capacitor duty based on type of Industry / Application

Power Capacitor Selection Chart on the basis of Application				
% Non linear load	≤ 10%	Up to 15%	Up to 20%	Between 20% to 30%
Square	Master Splendid Duty	Champ HD Plus	Champion SHD	Champ HD Plus + Reactor
Cylindrical	Torrent Splendid Duty	Phantom HD	Warrior SHD	Warrior SHD + Reactor
Application	These Capacitors are designed for normal loads where non linear factor is ≤10% THD I. Do not use normal duty capacitors for the application of Heavy Duty and Super Heavy Duty capacitors.	<15% THD I. Commercial building with CFL lamps, SMPS, UPS etc.	<20% THD I. Heavy Chemical Industries	<25% THD I. Steel plant
		Garment industries (Sewing Industry)	Pharmaceutical Industries	Cement Industries
		Bakeries	Automobile plants	Stone crushing
		Flour mills	Paper Industries	Textiles (Production of Yarn/cloth)
		Oil mills	Food processing plants	Forging Industries
		Glass industries	IT Industries	Power frequency induction furnaces
		Rice mills	Fabrication shops	Sugar plants
		Cold storage	Welding shops	Rolling mills
			Machine and tool shop	
Example for Calculating Non Linear Load Installed Transformer Rating = 1000 kVA Non Linear Loads = 100 kVA % Non Linear Load = (Non Linear Load / Transformer Rating) X 100 = (100/1000) X 100 = 10%				
Example of Non Linear Loads: UPS, Arc / Induction furnace, Rectifiers, AC / DC Drives, Computer, CFL, CNC Machines.				

Calculation of Required kVAR

Current Power Factor Cos ϕ	Achievable (Target) Cos ϕ					Target Cos $\phi = 0.96$	Q				
	0.90	0.91	0.92	0.94	0.95	0.96		0.97	0.98	0.99	1
0.51	1.20	1.23	1.26	1.32	1.36	1.40		1.44	1.48	1.54	1.69
0.52	1.16	1.19	1.22	1.28	1.31	1.35		1.39	1.44	1.50	1.64
0.53	1.11	1.14	1.17	1.24	1.27	1.30		1.35	1.40	1.46	1.60
0.54	1.08	1.10	1.13	1.20	1.23	1.27		1.31	1.36	1.42	1.56
0.55	1.04	1.06	1.09	1.16	1.19	1.23		1.27	1.32	1.38	1.52
0.56	1.00	1.02	1.05	1.12	1.15	1.19		1.23	1.28	1.34	1.48
0.57	0.96	0.99	1.02	1.08	1.11	1.15		1.19	1.24	1.30	1.44
0.58	0.92	0.95	0.98	1.04	1.08	1.11		1.15	1.20	1.26	1.41
0.59	0.89	0.91	0.94	1.01	1.04	1.08		1.12	1.17	1.23	1.37
0.60	0.85	0.88	0.91	0.97	1.00	1.04		1.08	1.13	1.19	1.33
0.61	0.82	0.84	0.87	0.94	0.97	1.01		1.05	1.10	1.16	1.30
0.62	0.78	0.81	0.84	0.90	0.94	0.97		1.02	1.06	1.12	1.27
0.63	0.75	0.78	0.81	0.87	0.90	0.94		0.98	1.03	1.09	1.23
0.64	0.72	0.75	0.78	0.84	0.87	0.91		0.95	1.00	1.07	1.20
0.65	0.69	0.71	0.74	0.81	0.84	0.88		0.92	0.97	1.03	1.17
0.66	0.65	0.68	0.71	0.77	0.81	0.85		0.89	0.94	1.00	1.14
0.67	0.62	0.65	0.68	0.74	0.78	0.82		0.86	0.91	0.97	1.11
0.68	0.59	0.62	0.65	0.71	0.75	0.79		0.83	0.88	0.94	1.08
0.69	0.57	0.59	0.62	0.68	0.72	0.76		0.80	0.85	0.91	1.05
0.70	0.54	0.56	0.59	0.65	0.69	0.73		0.77	0.82	0.88	1.02
0.71	0.51	0.54	0.57	0.63	0.66	0.70		0.74	0.79	0.85	0.99
0.72	0.48	0.51	0.54	0.60	0.64	0.67		0.71	0.76	0.82	0.96
0.73	0.45	0.48	0.51	0.57	0.61	0.64		0.69	0.73	0.79	0.94
0.74	0.43	0.45	0.48	0.54	0.58	0.62		0.66	0.71	0.77	0.91
0.75	0.40	0.43	0.46	0.51	0.55	0.59		0.63	0.68	0.74	0.88
0.76	0.37	0.40	0.43	0.49	0.53	0.56		0.60	0.65	0.71	0.86
0.77	0.35	0.37	0.40	0.46	0.50	0.44		0.58	0.63	0.69	0.83
0.78	0.32	0.35	0.38	0.43	0.47	0.51		0.55	0.60	0.66	0.80
0.79	0.29	0.32	0.35	0.41	0.45	0.48		0.53	0.57	0.63	0.78
0.80	0.27	0.29	0.32	0.38	0.42	0.46		0.50	0.55	0.61	0.75
0.81	0.24	0.27	0.30	0.36	0.40	0.43		0.47	0.52	0.58	0.72
0.82	0.21	0.24	0.27	0.33	0.37	0.41		0.45	0.50	0.56	0.70
0.83	0.19	0.22	0.25	0.30	0.34	0.38		0.42	0.47	0.53	0.67
0.84	0.16	0.19	0.22	0.28	0.32	0.35		0.40	0.44	0.50	0.65
0.85	0.14	0.16	0.19	0.25	0.29	0.33		0.37	0.42	0.48	0.62
0.86	0.11	0.14	0.17	0.23	0.26	0.30		0.34	0.39	0.45	0.59
0.87	0.08	0.11	0.14	0.20	0.24	0.28		0.32	0.36	0.43	0.57
0.88	0.06	0.08	0.11	0.17	0.21	0.25		0.29	0.34	0.40	0.54
0.89	0.03	0.06	0.09	0.15	0.18	0.22		0.26	0.31	0.37	0.51
0.90	0.00	0.03	0.08	0.12	0.16	0.19		0.23	0.28	0.34	0.48
0.91		0.00	0.03	0.09	0.13	0.16		0.21	0.25	0.31	0.46
0.92			0.00	0.06	0.10	0.13		0.18	0.22	0.28	0.43
0.93				0.03	0.07	0.10		0.14	0.19	0.25	0.40
0.94				0.00	0.03	0.07		0.11	0.16	0.22	0.36
0.95					0.00	0.04		0.08	0.13	0.19	0.33

Calculation of Required kVAR

Operating load kW and its average power factor (PF) as per the electricity bill OR we can easily calculate by a simple formula

Average PF = kW / kVA Operating load kW = kVA Demand x Average PF

Average PF is considered as the initial PF and the final PF is assumed as a target PF. From this information required kVAR can be easily calculated with reference table.

Example: Calculate required kVAR to improve PF from 0.75 to 0.96 for 500 kW installation

kVAR = kW x multiplying factor from table = 500 x 0.590 = 295 kVAR

Hercules - Normal Duty Single Phase Cylindrical Capacitors

- Design in Cylindrical Aluminium cane.
- Output range 1 kVAr to 5 kVAr.
- Compact volume, low weight
- Easy connection and installation



HSN Code: 85321000

Rating kVAr	Item Code	Description	Standard Pack No of unit/s	Master Pack No of unit/s	Per Unit LP (₹)
Rated Voltage 250 V AC, 1ϕ, 50 Hz					
1 kVAr	QHBS5001X0	HERCULES 250 V 50 Hz-1 kVAr 1 PH	1 N	16 N	505.00
2 kVAr	QHBS5002X0	HERCULES 250 V 50 Hz-2 kVAr 1 PH	1 N	16 N	700.00
3 kVAr	QHBS5003X0	HERCULES 250 V 50 Hz-3 kVAr 1 PH	1 N	16 N	1055.00
4 kVAr	QHBS5004X0	HERCULES 250 V 50 Hz-4 kVAr 1 PH	1 N	16 N	1390.00
5 kVAr	QHBS5005X0	HERCULES 250 V 50 Hz-5 kVAr 1 PH	1 N	8 N	1715.00

Torrent - Splendid Duty Cylindrical Capacitors

- Design in Cylindrical Aluminium cane.
- Output range 1 kVAr to 30 kVAr.
- Long life expectancy upto 120000 Hours
- Compact volume, low weight
- Easy connection and installation



HSN Code: 85321000

Rating kVAr	Item Code	Description	Standard Pack No of unit/s	Master Pack No of unit/s	Per Unit LP (₹)
Rated Voltage 440 V AC, 3ϕ, 50 Hz, Delta Connection					
1 kVAr ▲	QHUTCC5001X0	Torrent 440 V 50 Hz-1 kVAr 3 PH	1 N	16 N	390.00
2 kVAr ▲	QHUTCC5002X0	Torrent 440 V 50 Hz-2 kVAr 3 PH	1 N	16 N	595.00
3 kVAr ▲	QHUTCC5003X0	Torrent 440 V 50 Hz-3 kVAr 3 PH	1 N	16 N	930.00
4 kVAr ▲	QHUTCC5004X0	Torrent 440 V 50 Hz-4 kVAr 3 PH	1 N	16 N	1030.00
5 kVAr ▲	QHUTCC5005X0	Torrent 440 V 50 Hz-5 kVAr 3 PH	1 N	16 N	1180.00
6 kVAr ▲	QHUTCC5006X0	Torrent 440 V 50 Hz-6 kVAr 3 PH	1 N	16 N	1415.00
7.5 kVAr ▲	QHUTCC5007X5	Torrent 440 V 50 Hz-7.5 kVAr 3PH	1 N	16 N	1770.00
10 kVAr ▲	QHUTCC5010X0	Torrent 440 V 50 Hz-10 kVAr 3 PH	1 N	8 N	2360.00
12.5 kVAr ▲	QHUTCC5012X5	Torrent 440 V 50 Hz-12.5 kVAr 3 PH	1 N	8 N	2945.00
15 kVAr ▲	QHUTCC5015X0	Torrent 440 V 50 Hz-15 kVAr 3 PH	1 N	4 N	3535.00
20 kVAr ▲	QHUTCC5020X0	Torrent 440 V 50 Hz-20 kVAr 3 PH	1 N	4 N	4715.00
25 kVAr ▲	QHUTCC5025X0	Torrent 440 V 50 Hz-25 kVAr 3 PH	1 N	4 N	5890.00
30 kVAr	QHUTCC5030X0	Torrent 440 V 50 Hz-30 kVAr 3 PH	1 N	4 N	7070.00

Phantom - Heavy Duty Cylindrical Capacitors

- Design in Cylindrical Aluminium Cane.
- Output range - 1 kVAr to 50 kVAr
- High Inrush Current Withstand Capability
- Operating Life in Hrs - 150000
- Soft Sticky Resin to withstand high temperature and current stress



HSN Code: 85321000

Rating kVAr	Item Code	Description	Standard Pack No of unit/s	Master Pack No of unit/s	Per Unit LP (₹)
Rated Voltage 440 V AC, 3ϕ, 50 Hz, Delta Connection					
1 kVAr	QHHTCC5001X0	PHANTOM HD 440 V 50 Hz 1 kVAr 3 PH	1 N	16 N	480.00
2 kVAr	QHHTCC5002X0	PHANTOM HD 440 V 50 Hz 2 kVAr 3 PH	1 N	16 N	730.00
3 kVAr	QHHTCC5003X0	PHANTOM HD 440 V 50 Hz 3 kVAr 3 PH	1 N	16 N	1010.00
4 kVAr	QHHTCC5004X0	PHANTOM HD 440 V 50 Hz 4 kVAr 3 PH	1 N	16 N	1210.00
5 kVAr	QHHTCC5005X0	PHANTOM HD 440 V 50 Hz 5 kVAr 3 PH	1 N	16 N	1520.00
7.5 kVAr	QHHTCC5007X5	PHANTOM HD 440 V 50 Hz 7.5 kVAr 3 PH	1 N	16 N	2160.00
10 kVAr	QHHTCC5010X0	PHANTOM HD 440 V 50 Hz 10 kVAr 3 PH	1 N	16 N	2875.00
12.5 kVAr	QHHTCC5012X5	PHANTOM HD 440 V 50 Hz 12.5 kVAr 3 PH	1 N	8 N	3595.00
15 kVAr	QHHTCC5015X0	PHANTOM HD 440 V 50 Hz 15 kVAr 3 PH	1 N	8 N	4315.00
20 kVAr	QHHTCC5020X0	PHANTOM HD 440 V 50 Hz 20 kVAr 3 PH	1 N	4 N	5750.00
25 kVAr	QHHTCC5025X0	PHANTOM HD 440 V 50 Hz 25 kVAr 3 PH	1 N	4 N	7185.00
30 kVAr	QHHTCC5030X0	PHANTOM HD 440 V 50 Hz 30 kVAr 3 PH	1 N	4 N	8625.00
50 kVAr	QHHTCC5050X0	PHANTOM HD 440 V 50 Hz 50 kVAr 3 PH	1 N	4 N	10355.00

▲ Stockable Item

For details on technical parameters & non stockable items contact nearest sales office.

(IS: 13340 / IEC: 60831)

Warrior - Super Heavy Duty Cylindrical Capacitors

- High inrush current withstand capability.
- Output range 1 kVAr to 30 kVAr.
- Soft sticky resin to withstand high temperature and current stress.
- Penta safety protection.
- Explosion proof, low losses & high over current withstand capabilities.



HSN Code: 85321000

Rating kVAr	Item Code	Description	Standard Pack No of unit/s	Master Pack No of unit/s	Per Unit LP (₹)
Rated Voltage 440 V AC, 3ϕ, 50 Hz, Delta Connection					
1 kVAr ▲	QHBTCC5001X0	Warrior Super Heavy Duty 440 V 50 Hz 1 kVAr 3 PH	1 N	16 N	510.00
2 kVAr ▲	QHBTCC5002X0	Warrior Super Heavy Duty 440 V 50 Hz 2 kVAr 3 PH	1 N	16 N	775.00
3 kVAr ▲	QHBTCC5003X0	Warrior Super Heavy Duty 440 V 50 Hz 3 kVAr 3 PH	1 N	16 N	965.00
4 kVAr ▲	QHBTCC5004X0	Warrior Super Heavy Duty 440 V 50 Hz 4 kVAr 3 PH	1 N	16 N	1290.00
5 kVAr ▲	QHBTCC5005X0	Warrior Super Heavy Duty 440 V 50 Hz 5 kVAr 3 PH	1 N	16 N	1675.00
6 kVAr	QHBTCC5006X0	Warrior Super Heavy Duty 440 V 50 Hz 7.5 kVAr 3 PH	1 N	8 N	2005.00
7.5 kVAr ▲	QHBTCC5007X5	Warrior Super Heavy Duty 440 V 50 Hz 6 kVAr 3 PH	1 N	8 N	2505.00
8 kVAr	QHBTCC5008X0	Warrior Super Heavy Duty 440 V 50 Hz 8 kVAr 3 PH	1 N	8 N	2675.00
10 kVAr ▲	QHBTCC5010X0	Warrior Super Heavy Duty 440 V 50 Hz 10 kVAr 3 PH	1 N	8 N	3340.00
12.5 kVAr ▲	QHBTCC5012X5	Warrior Super Heavy Duty 440 V 50 Hz 12.5 kVAr 3 PH	1 N	4 N	4175.00
15 kVAr ▲	QHBTCC5015X0	Warrior Super Heavy Duty 440 V 50 Hz 15 kVAr 3 PH	1 N	4 N	5010.00
20 kVAr ▲	QHBTCC5020X0	Warrior Super Heavy Duty 440 V 50 Hz 20 kVAr 3 PH	1 N	4 N	6680.00
25 kVAr ▲	QHBTCC5025X0	Warrior Super Heavy Duty 440 V 50 Hz 25 kVAr 3 PH	1 N	4 N	8350.00
30 kVAr	QHBTCC5030X0	Warrior Super Heavy Duty 440 V 50 Hz 30 kVAr 3 PH	1 N	4 N	10020.00
Rated Voltage 480 V AC, 3ϕ, 50 Hz, Delta Connection					
5 kVAr	QHBTCD5005X0	Warrior Super Heavy Duty 480 V 50 Hz 5 kVAr 3 PH	1 N	16 N	1725.00
7.5 kVAr	QHBTCD5007X5	Warrior Super Heavy Duty 480 V 50 Hz 7.5 kVAr 3 PH	1 N	8 N	2590.00
10 kVAr	QHBTCD5010X0	Warrior Super Heavy Duty 480 V 50 Hz 10 kVAr 3 PH	1 N	8 N	3450.00
12.5 kVAr	QHBTCD5012X5	Warrior Super Heavy Duty 480 V 50 Hz 12.5 kVAr 3 PH	1 N	4 N	4310.00
15 kVAr	QHBTCD5015X0	Warrior Super Heavy Duty 480 V 50 Hz 15 kVAr 3 PH	1 N	4 N	5170.00
20 kVAr	QHBTCD5020X0	Warrior Super Heavy Duty 480 V 50 Hz 20 kVAr 3 PH	1 N	4 N	6890.00
25 kVAr	QHBTCD5025X0	Warrior Super Heavy Duty 480 V 50 Hz 25 kVAr 3 PH	1 N	4 N	8615.00
30 kVAr	QHBTCD5030X0	Warrior Super Heavy Duty 480 V 50 Hz 30 kVAr 3 PH	1 N	4 N	10340.00
Rated Voltage 525 V AC, 3ϕ, 50 Hz, Delta Connection					
5 kVAr	QHBTCTF5005X0	Warrior Super Heavy Duty 525 V 50 Hz 5 kVAr 3 PH	1 N	16 N	1725.00
7.5 kVAr	QHBTCTF5007X5	Warrior Super Heavy Duty 525 V 50 Hz 7.5 kVAr 3 PH	1 N	8 N	2590.00
10 kVAr	QHBTCTF5010X0	Warrior Super Heavy Duty 525 V 50 Hz 10 kVAr 3 PH	1 N	8 N	3450.00
12.5 kVAr	QHBTCTF5012X5	Warrior Super Heavy Duty 525 V 50 Hz 12.5 kVAr 3 PH	1 N	4 N	4310.00
15 kVAr	QHBTCTF5015X0	Warrior Super Heavy Duty 525 V 50 Hz 15 kVAr 3 PH	1 N	4 N	5170.00
20 kVAr	QHBTCTF5020X0	Warrior Super Heavy Duty 525 V 50 Hz 20 kVAr 3 PH	1 N	4 N	6890.00
25 kVAr	QHBTCTF5025X0	Warrior Super Heavy Duty 525 V 50 Hz 25 kVAr 3 PH	1 N	4 N	8615.00
30 kVAr	QHBTCTF5030X0	Warrior Super Heavy Duty 525 V 50 Hz 30 kVAr 3 PH	1 N	4 N	10340.00

▲ Stockable Item

For details on technical parameters & non stockable items contact nearest sales office.

(IS: 13340 / IEC: 60831)

Effective from 11th March, 2025

List Price (LP) are in Indian ₹ & as per Standard Terms & Conditions **HAVELLS 87**

Mini / Master - Splendid Duty Square Capacitors

- High inrush current withstand capability.
- Output range 1 kVAr to 50 kVAr.
- Soft sticky resin to withstand high temperature and current stress.
- Penta safety protection.
- Explosion proof, low losses & high over current withstand capabilities.



HSN Code: 85321000

Rating kVAr	Item Code	Description	Standard Pack No of unit/s	Master Pack No of unit/s	Per Unit LP (₹)
Rated Voltage 440 V AC, 3%, 50 Hz, Delta Connection					
1 kVAr ▲	QHNTMC5001X0	Mini Master 440 V 50 Hz-1 kVAr 3 PH	1 N	30 N	475.00
2 kVAr ▲	QHNTMC5002X0	Mini Master 440 V 50 Hz-2 kVAr 3 PH	1 N	30 N	645.00
3 kVAr ▲	QHNTMC5003X0	Mini Master 440 V 50 Hz-3 kVAr 3 PH	1 N	24 N	965.00
4 kVAr ▲	QHNTMC5004X0	Mini Master 440 V 50 Hz-4 kVAr 3 PH	1 N	24 N	1285.00
5 kVAr ▲	QHNTMC5005X0	Mini Master 440 V 50 Hz-5 kVAr 3 PH	1 N	24 N	1500.00
6 kVAr ▲	QHNTMC5006X0	Master 440 V 50 Hz-6 kVAr 3 PH	1 N	1 N	1800.00
7.5 kVAr ▲	QHNTMC5007X5	Master 440 V 50 Hz-7.5 kVAr 3 PH	1 N	1 N	2245.00
8 kVAr ▲	QHNTMC5008X0	Master 440 V 50 Hz-8 kVAr 3 PH	1 N	1 N	2395.00
10 kVAr ▲	QHNTMC5010X0	Master 440 V 50 Hz-10 kVAr 3 PH	1 N	1 N	2995.00
12.5 kVAr ▲	QHNTMC5012X5	Master 440 V 50 Hz-12.5 kVAr 3 PH	1 N	1 N	3745.00
15 kVAr ▲	QHNTMC5015X0	Master 440 V 50 Hz-15 kVAr 3 PH	1 N	1 N	4490.00
20 kVAr ▲	QHNTMC5020X0	Master 440 V 50 Hz-20 kVAr 3 PH	1 N	1 N	5985.00
25 kVAr ▲	QHNTMC5025X0	Master 440 V 50 Hz-25 kVAr 3 PH	1 N	1 N	7480.00
30 kVAr	QHNTMC5030X0	Master 440 V 50 Hz-30 kVAr 3 PH	1 N	1 N	8975.00
50 kVAr	QHNTMC5050X0	Master 440 V 50 Hz-50 kVAr 3 PH	1 N	1 N	14960.00

▲ Stockable Item

For details on technical parameters & non stockable items contact nearest sales office.



Other Ratings on request

(IS: 13340 / IEC: 60831)

88 HAVELLS Effective from 11th March, 2025

List Price (LP) are in Indian ₹ & as per Standard Terms & Conditions

Champ - Heavy Duty Plus Square Capacitors

- High inrush current withstand capability.
- Output range 1 kVAr to 100 kVAr.
- Soft sticky resin to withstand high temperature and current stress.
- Penta safety protection.
- Explosion proof, low losses & high over current withstand capabilities.



HSN Code: 85321000

Rating kVAr	Item Code	Description	Standard Pack No of unit/s	Master Pack No of unit/s	Per Unit LP (₹)
Rated Voltage 440 V AC, 3Ø, 50 Hz, Delta Connection					
1 kVAr	QHBTMC5001X0	Champ 440 V 50 Hz-1 kVAr 3 PH	1 N	30 N	525.00
2 kVAr	QHBTMC5002X0	Champ 440 V 50 Hz-2 kVAr 3 PH	1 N	30 N	865.00
3 kVAr ▲	QHBTMC5003X0	Champ 440 V 50 Hz-3 kVAr 3 PH	1 N	24 N	1295.00
4 kVAr	QHBTMC5004X0	Champ 440 V 50 Hz-4 kVAr 3 PH	1 N	24 N	1730.00
5 kVAr ▲	QHBTMC5005X0	Champ 440 V 50 Hz-5 kVAr 3 PH	1 N	1 N	2090.00
6 kVAr	QHBTMC5006X0	Champ 440 V 50 Hz-6 kVAr 3 PH	1 N	1 N	2505.00
7.5 kVAr ▲	QHBTMC5007X5	Champ 440 V 50 Hz-7.5 kVAr 3 PH	1 N	1 N	3130.00
8 kVAr	QHBTMC5008X0	Champ 440 V 50 Hz-8 kVAr 3 PH	1 N	1 N	3340.00
10 kVAr ▲	QHBTMC5010X0	Champ 440 V 50 Hz-10 kVAr 3 PH	1 N	1 N	4170.00
12.5 kVAr ▲	QHBTMC5012X5	Champ 440 V 50 Hz-12.5 kVAr 3 PH	1 N	1 N	5215.00
15 kVAr ▲	QHBTMC5015X0	Champ 440 V 50 Hz-15 kVAr 3 PH	1 N	1 N	6260.00
20 kVAr ▲	QHBTMC5020X0	Champ 440 V 50 Hz-20 kVAr 3 PH	1 N	1 N	8345.00
25 kVAr ▲	QHBTMC5025X0	Champ 440 V 50 Hz-25 kVAr 3PH	1 N	1 N	10430.00
30 kVAr	QHBTMC5030X0	Champ 440 V 50 Hz-30 kVAr 3 PH	1 N	1 N	12515.00
50 kVAr	QHBTMC5050X0	Champ 440 V 50 Hz-50 kVAr 3 PH	1 N	1 N	21935.00

Rated Voltage 480 V AC, 3Ø, 50 Hz, Delta Connection

5 kVAr	QHBTMD5005X0	Champ 480 V 50 Hz-5 kVAr 3 PH	1 N	1 N	2245.00
6 kVAr	QHBTMD5006X0	Champ 480 V 50 Hz-6 kVAr 3 PH	1 N	1 N	2695.00
7.5 kVAr	QHBTMD5007X5	Champ 480 V 50 Hz-7.5 kVAr 3 PH	1 N	1 N	3370.00
10 kVAr	QHBTMD5010X0	Champ 480 V 50 Hz-10 kVAr 3 PH	1 N	1 N	4490.00
12.5 kVAr	QHBTMD5012X5	Champ 480 V 50 Hz-12.5 kVAr 3 PH	1 N	1 N	5610.00
15 kVAr	QHBTMD5015X0	Champ 480 V 50 Hz-15 kVAr 3 PH	1 N	1 N	6735.00
20 kVAr	QHBTMD5020X0	Champ 480 V 50 Hz-20 kVAr 3 PH	1 N	1 N	8975.00
25 kVAr	QHBTMD5025X0	Champ 480 V 50 Hz-25 kVAr 3 PH	1 N	1 N	11220.00
30 kVAr	QHBTMD5030X0	Champ 480 V 50 Hz-30 kVAr 3 PH	1 N	1 N	13465.00
50 kVAr	QHBTMD5050X0	Champ 480 V 50 Hz-50 kVAr 3 PH	1 N	1 N	22440.00

Rated Voltage 525 V AC, 3Ø, 50 Hz, Delta Connection

5 kVAr	QHBTMF5005X0	Champ 525 V 50 Hz-5 kVAr 3 PH	1 N	1 N	2245.00
6 kVAr	QHBTMF5006X0	Champ 525 V 50 Hz-6 kVAr 3 PH	1 N	1 N	2695.00
7.5 kVAr	QHBTMF5007X5	Champ 525 V 50 Hz-7.5 kVAr 3 PH	1 N	1 N	3370.00
10 kVAr	QHBTMF5010X0	Champ 525 V 50 Hz-10 kVAr 3 PH	1 N	1 N	4490.00
12.5 kVAr	QHBTMF5012X5	Champ 525 V 50 Hz-12.5 kVAr 3 PH	1 N	1 N	5610.00
15 kVAr	QHBTMF5015X0	Champ 525 V 50 Hz-15 kVAr 3 PH	1 N	1 N	6735.00
20 kVAr	QHBTMF5020X0	Champ 525 V 50 Hz-20 kVAr 3 PH	1 N	1 N	8975.00
25 kVAr	QHBTMF5025X0	Champ 525 V 50 Hz-25 kVAr 3 PH	1 N	1 N	11220.00
30 kVAr	QHBTMF5030X0	Champ 525 V 50 Hz-30 kVAr 3 PH	1 N	1 N	13465.00
50 kVAr	QHBTMF5050X0	Champ 525 V 50 Hz-50 kVAr 3 PH	1 N	1 N	23150.00

**Higher Rating above 50 kVAr available on request.

▲ Stockable Item

For details on technical parameters & non stockable items contact nearest sales office.

(IS: 13340 / IEC: 60831)

Effective from 11th March, 2025

List Price (LP) are in Indian ₹ & as per Standard Terms & Conditions **HAVELLS 89**

Champion - SHD Square Capacitors

- High inrush current withstand capability.
- Output range 1 kVAr to 100 kVAr.
- Soft sticky resin to withstand high temperature and current stress.
- Penta safety protection.
- Explosion proof, low losses & high over current withstand capabilities.



HSN Code: 85321000

Rating kVAr	Item Code	Description	Standard Pack No of unit/s	Master Pack No of unit/s	Per Unit LP (₹)
Rated Voltage 440 V AC, 3ø, 50 Hz, Delta Connection					
1 kVAr	QHSTMC5001X0	Champion 440 V 50 Hz-1 kVAr 3 PH	1 N	16 N	1205.00
2 kVAr	QHSTMC5002X0	Champion 440 V 50 Hz-2 kVAr 3 PH	1 N	1 N	2400.00
3 kVAr	QHSTMC5003X0	Champion 440 V 50 Hz-3 kVAr 3 PH	1 N	1 N	3600.00
4 kVAr	QHSTMC5004X0	Champion 440 V 50 Hz-4 kVAr 3 PH	1 N	1 N	4175.00
5 kVAr	QHSTMC5005X0	Champion 440 V 50 Hz-5 kVAr 3 PH	1 N	1 N	4215.00
6 kVAr	QHSTMC5006X0	Champion 440 V 50 Hz-6 kVAr 3 PH	1 N	1 N	4765.00
7.5 kVAr	QHSTMC5007X5	Champion 440 V 50 Hz-7.5 kVAr 3 PH	1 N	1 N	5955.00
8 kVAr	QHSTMC5008X0	Champion 440 V 50 Hz-8 kVAr 3 PH	1 N	1 N	6355.00
10 kVAr	QHSTMC5010X0	Champion 440 V 50 Hz-10 kVAr 3 PH	1 N	1 N	7940.00
12.5 kVAr	QHSTMC5012X5	Champion 440 V 50 Hz-12.5 kVAr 3 PH	1 N	1 N	9925.00
15 kVAr	QHSTMC5015X0	Champion 440 V 50 Hz-15 kVAr 3 PH	1 N	1 N	11905.00
20 kVAr	QHSTMC5020X0	Champion 440 V 50 Hz-20 kVAr 3 PH	1 N	1 N	15875.00
25 kVAr	QHSTMC5025X0	Champion 440 V 50 Hz-25 kVAr 3 PH	1 N	1 N	19845.00
30 kVAr	QHSTMC5030X0	Champion 440 V 50 Hz-30 kVAr 3 PH	1 N	1 N	24870.00
50 kVAr	QHSTMC5050X0	Champion 440 V 50 Hz-50 kVAr 3 PH	1 N	1 N	41450.00
Rated Voltage 480 V AC, 3ø, 50 Hz, Delta Connection					
5 kVAr	QHSTMD5005X0	Champion 480 V 50 Hz-5 kVAr 3 PH	1 N	1 N	4255.00
6 kVAr	QHSTMD5006X0	Champion 480 V 50 Hz-6 kVAr 3 PH	1 N	1 N	4815.00
7.5 kVAr	QHSTMD5007X5	Champion 480 V 50 Hz-7.5 kVAr 3 PH	1 N	1 N	6015.00
10 kVAr	QHSTMD5010X0	Champion 480 V 50 Hz-10 kVAr 3 PH	1 N	1 N	8020.00
12.5 kVAr	QHSTMD5012X5	Champion 480 V 50 Hz-12.5 kVAr 3 PH	1 N	1 N	10025.00
15 kVAr	QHSTMD5015X0	Champion 480 V 50 Hz-15 kVAr 3 PH	1 N	1 N	12030.00
20 kVAr	QHSTMD5020X0	Champion 480 V 50 Hz-20 kVAr 3 PH	1 N	1 N	16035.00
25 kVAr	QHSTMD5025X0	Champion 480 V 50 Hz-25 kVAr 3 PH	1 N	1 N	20045.00
30 kVAr	QHSTMD5030X0	Champion 480 V 50 Hz-30 kVAr 3 PH	1 N	1 N	25120.00
50 kVAr	QHSTMD5050X0	Champion 480 V 50 Hz-50 kVAr 3 PH	1 N	1 N	41865.00
Rated Voltage 525 V AC, 3ø, 50 Hz, Delta Connection					
5 kVAr	QHSTMF5005X0	Champion 525 V 50 Hz-5 kVAr 3 PH	1 N	1 N	4300.00
6 kVAr	QHSTMF5006X0	Champion 525 V 50 Hz-6 kVAr 3 PH	1 N	1 N	4860.00
7.5 kVAr	QHSTMF5007X5	Champion 525 V 50 Hz-7.5 kVAr 3 PH	1 N	1 N	6075.00
10 kVAr	QHSTMF5010X0	Champion 525 V 50 Hz-10 kVAr 3 PH	1 N	1 N	8100.00
12.5 kVAr	QHSTMF5012X5	Champion 525 V 50 Hz-12.5 kVAr 3 PH	1 N	1 N	10125.00
15 kVAr	QHSTMF5015X0	Champion 525 V 50 Hz-15 kVAr 3 PH	1 N	1 N	12150.00
20 kVAr	QHSTMF5020X0	Champion 525 V 50 Hz-20 kVAr 3 PH	1 N	1 N	16200.00
25 kVAr	QHSTMF5025X0	Champion 525 V 50 Hz-25 kVAr 3 PH	1 N	1 N	20245.00
30 kVAr	QHSTMF5030X0	Champion 525 V 50 Hz-30 kVAr 3 PH	1 N	1 N	25375.00
50 kVAr	QHSTMF5050X0	Champion 525 V 50 Hz-50 kVAr 3 PH	1 N	1 N	42290.00

**Higher Rating above 50 kVAr available on request.

▲ Stockable Item

For details on technical parameters & non stockable items contact nearest sales office.

(IS: 13340)

90 HAVELLS Effective from 11th March, 2025

List Price (LP) are in Indian ₹ & as per Standard Terms & Conditions

Harmonic Detuned Reactor

Range:

- 1 kVAr to 100 kVAr
- Available in: Copper & Aluminium
- Detuning Factor: 7% and 14% corresponding to tuning Frequencies of 190 Hz and 135 Hz for the base of 50 Hz
- Rated Operational Voltage: 380 V to 690 V
- linearity : 185% to 225% of In

Features:

- High linearity 185% to 225%
- Insulation Class H
- Temperature protection - NC contact (UL Approved)
- Long expected life time
- Low noise & very low losses
- Compliance to IEC 61558



Selection Chart: Capacitor voltage and kVAr selection for 7% and 14% reactors

Effective kVAr output	With 7% detuned reactor		With 14% detuned reactor	
	Reactor (440 V)	Capacitor (480 V)**	Reactor (440 V)	Capacitor (525 V)**
5 kVAr	5 kVAr	6 kVAr / 480 V	5 kVAr	6 kVAr / 525 V
10 kVAr	10 kVAr	12.5 kVAr / 480 V	10 kVAr	12.5 kVAr / 525 V
12.5 kVAr	12.5 kVAr	15 kVAr / 480 V	12.5 kVAr	15 kVAr / 525 V
15 kVAr	15 kVAr	20 kVAr / 480 V	15 kVAr	20 kVAr / 525 V
20 kVAr	20 kVAr	25 kVAr / 480 V	20 kVAr	25 kVAr / 525 V
25 kVAr	25 kVAr	30 kVAr / 480 V	25 kVAr	30 kVAr / 525 V
50 kVAr	50 kVAr	60 kVAr / 480 V	50 kVAr	60 kVAr / 525 V
75 kVAr	75 kVAr	90 kVAr / 480 V	75 kVAr	90 kVAr / 525 V
100 kVAr	100 kVAr	120 kVAr / 480 V	100 kVAr	120 kVAr / 525 V



Harmonic Detuned Reactor Aluminium

HSN Code: 85049090

Rating kVAr	Cat. Code	Description	Per Unit LP (₹)
Rated Voltage 440 V AC, F = 50 Hz, P = 7% (Fr = 189 Hz) / Linearity: L > 0.95 Lr for current up to 1.85 . I1 (Aluminium)			
1 kVAr	QHSLTCV001X0	H. D.- REACTOR, 7% AL, 01 kVAr 440 V AC	6065.00
2 kVAr	QHSLTCV002X0	H. D.- REACTOR, 7% AL, 02 kVAr 440 V AC	6615.00
3 kVAr	QHSLTCV003X0	H. D.- REACTOR, 7% AL, 03 kVAr 440 V AC	7490.00
4 kVAr	QHSLTCV004X0	H. D.- REACTOR, 7% AL, 04 kVAr 440 V AC	7965.00
5 kVAr	QHSLTCV005X0	H. D.- REACTOR, 7% AL, 05 kVAr 440 V AC	9820.00
10 kVAr	QHSLTCV010X0	H. D.- REACTOR, 7% AL, 10 kVAr 440 V AC	11945.00
12.5 kVAr	QHSLTCV012X5	H. D.- REACTOR, 7% AL, 12.5 kVAr 440 V AC	12210.00
15 kVAr	QHSLTCV015X0	H. D.- REACTOR, 7% AL, 15 kVAr 440 V AC	17385.00
20 kVAr	QHSLTCV020X0	H. D.- REACTOR, 7% AL, 20 kVAr 440 V AC	19110.00
25 kVAr	QHSLTCV025X0	H. D.- REACTOR, 7% AL, 25 kVAr 440 V AC	19770.00
50 kVAr	QHSLTCV050X0	H. D.- REACTOR, 7% AL, 50 kVAr 440 V AC	31565.00
75 kVAr	QHSLTCV075X0	H. D.- REACTOR, 7% AL, 75 kVAr 440 V AC	52280.00
100 kVAr	QHSLTCV100X0	H. D.- REACTOR, 7% AL, 100 kVAr 440 V AC	59710.00
Rated Voltage 440 V AC, F = 50 Hz, P = 14% (Fr = 189 Hz) / Linearity: L > 0.95 Lr for current up to 1.85 . I1 (Aluminium)			
5 kVAr	QHSLTCW005X0	H. D.- REACTOR, 14% AL, 05 kVAr 440 V AC	Price on Request
10 kVAr	QHSLTCW010X0	H. D.- REACTOR, 14% AL, 10 kVAr 440 V AC	
12.5 kVAr	QHSLTCW012X5	H. D.- REACTOR, 14% AL, 12.5 kVAr 440 V AC	
15 kVAr	QHSLTCW015X0	H. D.- REACTOR, 14% AL, 15 kVAr 440 V AC	
20 kVAr	QHSLTCW020X0	H. D.- REACTOR, 14% AL, 20 kVAr 440 V AC	
25 kVAr	QHSLTCW025X0	H. D.- REACTOR, 14% AL, 25 kVAr 440 V AC	
50 kVAr	QHSLTCW050X0	H. D.- REACTOR, 14% AL, 50 kVAr 440 V AC	
75 kVAr	QHSLTCW075X0	H. D.- REACTOR, 14% AL, 75 kVAr 440 V AC	
100 kVAr	QHSLTCW100X0	H. D.- REACTOR, 14% AL, 100 kVAr 440 V AC	

Harmonic Detuned Reactor Copper

HSN Code: 85049090

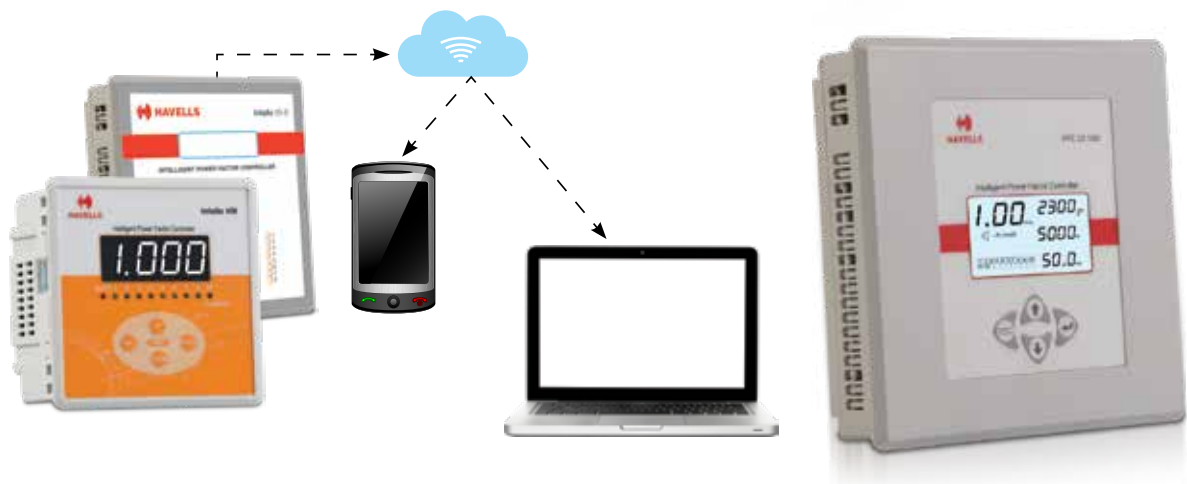
Rating kVAr	Cat. Code	Description	Per Unit LP (₹)
Rated Voltage 440 V AC, F = 50 Hz, P = 7% (Fr = 133 Hz) / Linearity: L > 0.95 Lr for current up to 1.85 . I1, (Copper)			
1 kVAr	QHSLTCV001X0	H. D.- REACTOR, 7% CU, 01 kVAr 440 V AC	8355.00
2 kVAr	QHSLTCV002X0	H. D.- REACTOR, 7% CU, 02 kVAr 440 V AC	9125.00
3 kVAr	QHSLTCV003X0	H. D.- REACTOR, 7% CU, 03 kVAr 440 V AC	10345.00
4 kVAr	QHSLTCV004X0	H. D.- REACTOR, 7% CU, 04 kVAr 440 V AC	10995.00
5 kVAr	QHSLTCV005X0	H. D.- REACTOR, 7% CU, 05 kVAr 440 V AC	12815.00
10 kVAr	QHSLTCV010X0	H. D.- REACTOR, 7% CU, 10 kVAr 440 V AC	17910.00
12.5 kVAr	QHSLTCV012X5	H. D.- REACTOR, 7% CU, 12.5 kVAr 440 V AC	18425.00
15 kVAr	QHSLTCV015X0	H. D.- REACTOR, 7% CU, 15 kVAr 440 V AC	26405.00
20 kVAr	QHSLTCV020X0	H. D.- REACTOR, 7% CU, 20 kVAr 440 V AC	27330.00
25 kVAr	QHSLTCV025X0	H. D.- REACTOR, 7% CU, 25 kVAr 440 V AC	27845.00
50 kVAr	QHSLTCV050X0	H. D.- REACTOR, 7% CU, 50 kVAr 440 V AC	42000.00
75 kVAr	QHSLTCV075X0	H. D.- REACTOR, 7% CU, 75 kVAr 440 V AC	69270.00
100 kVAr	QHSLTCV100X0	H. D.- REACTOR, 7% CU, 100 kVAr 440 V AC	89025.00
Rated Voltage 440 V AC, F = 50 Hz, P = 14% (Fr = 189 Hz) / Linearity: L > 0.95 Lr for current up to 1.85 . I1 (Copper)			
5 kVAr	QHSLTCW005X0	H. D.- REACTOR, 14% CU, 05 kVAr 440 V AC	Price on Request
10 kVAr	QHSLTCW010X0	H. D.- REACTOR, 14% CU, 10 kVAr 440 V AC	
12.5 kVAr	QHSLTCW012X5	H. D.- REACTOR, 14% CU, 12.5 kVAr 440 V AC	
15 kVAr	QHSLTCW015X0	H. D.- REACTOR, 14% CU, 15 kVAr 440 V AC	
20 kVAr	QHSLTCW020X0	H. D.- REACTOR, 14% CU, 20 kVAr 440 V AC	
25 kVAr	QHSLTCW025X0	H. D.- REACTOR, 14% CU, 25 kVAr 440 V AC	
50 kVAr	QHSLTCW050X0	H. D.- REACTOR, 14% CU, 50 kVAr 440 V AC	
75 kVAr	QHSLTCW075X0	H. D.- REACTOR, 14% CU, 75 kVAr 440 V AC	
100 kVAr	QHSLTCW100X0	H. D.- REACTOR, 14% CU, 100 kVAr 440 V AC	

▲ Stockable Item

For details on technical parameters & non stockable items contact nearest sales office.

Intelligent Power Factor Controller

IEC: 61010-1



Range:

- 08 and 12 Steps
- 1CT & 3 CT version
- 7 segment LED display
- Size: 96 mm x 96 mm & 144 mm x 144 mm

Features:

- LCD Type with dual colour backlight
- Auxiliary supply 90 V AC - 550 V AC
- Dual Password Protection
- Automatic CT Polarity detection
- NTC Temperature Sensor
- Communication Interface RS 485 & ModBus RTU (Only for 12 Relay option)
- Power Factor Measurement Range: 0.8 lag to 0.8 lead
- Advance Micro-Controller based logic
- Data logging facility (optional)

HSN Code: 85364900

Steps	Item Code	Description	Standard Pack No of unit/s	Master Pack No of unit/s	Per Unit LP (₹)
Intelligent Power Factor Controller (IPFC CS- 1001) 1 CT					
8 ▲	QHOSBS5D0008	IPFC CS 96 x 96	1 N	5 N	7440.00
8 ▲	QHOSBS5N0008	IPFC CS 144 x 144	1 N	5 N	12290.00
12 ▲	QHOSBS5N0012	IPFC CS 1001-112-90 V / 550 V AC 144 x 144	1 N	5 N	14265.00
Intelligent Power Factor Controller (IPFC CS- 1003) 3 CT					
8 ▲	QHOTBS5H0008	IPFC CS 1001-112-90 V / 550 V AC 144 x 144	1 N	5 N	19700.00
12 ▲	QHOTBS5H0012	IPFC CS 1003-312-90 V / 550 V AC 144 x 144	1 N	5 N	24575.00

Capacitor Switching Solutions

- Fast Switching Speed
- High power handling capacity
- Low losses
- Reliability and longevity
- Real time power factor correction



Thyristor Switch

HSN Code: 85371000

Cat. Code	Description	Per Unit LP (₹)
QHZCF00111	Thyristor Switch 15 kVAr	33315.00
QHZCF00121	Thyristor Switch 25 kVAr	38010.00
QHZCF00131	Thyristor Switch 50 kVAr	45705.00
QHZCF00141	Thyristor Switch 100 kVAr	68775.00

Other Ratings on request

▲ Stockable Item

For details on technical parameters & non stockable items contact nearest sales office.

Effective from 11th March, 2025

List Price (LP) are in Indian ₹ & as per Standard Terms & Conditions **HAVELLS** 93

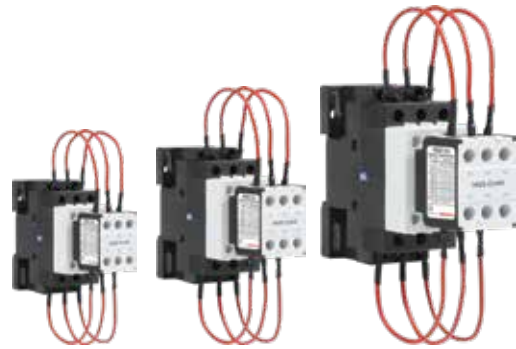
Magnetic Contactor

Capacitor Duty Contactor



Features:

- Range : 3 kVAr to 66 kVAr
- De-latching Type design of Resistor Switching Block
- Low VA Burden Wide operating band coils with Class H Insulation
- Common accessories with HGS Range
- High Operating Frequency - 240 Operations per hour
- Handle high inrush current capability
- Utilization category AC-6b
- Finger proof IP20 terminals



HSN Code: 85369090

Frame Size	kVAr Rating AC-6b	Inst. Aux. Contact		Item Code	Per Unit LP (₹)
	415 V / 440 V	NO	NC		
1	3 kVAr ▲	1	0	IHPHE003110*	2700.00
	3 kVAr	0	1	IHPHE003101*	2700.00
	5 kVAr ▲	1	0	IHPHE005110*	2835.00
	5 kVAr	0	1	IHPHE005101*	2835.00
	10 kVAr ▲	1	0	IHPHE010110*	3430.00
	10 kVAr	0	1	IHPHE010101*	3430.00
	12.5 kVAr	1	0	IHPHE12X110*	3875.00
	12.5 kVAr	0	1	IHPHE12X101*	3875.00
	15 kVAr ▲	1	0	IHPHE015110*	4745.00
	15 kVAr	0	1	IHPHE015101*	4745.00
2	20 kVAr ▲	1	0	IHPHE020210*	5215.00
	20 kVAr	0	1	IHPHE020201*	5215.00
	25 kVAr ▲	1	0	IHPHE025210*	5945.00
	25 kVAr	0	1	IHPHE025201*	5945.00
	33.3 kVAr	1	0	IHPHE33X210*	8620.00
	33.3 kVAr	0	1	IHPHE33X201*	8620.00
3	33.3 kVAr	1	1	IHPHE33X311*	10395.00
	40 kVAr	2	2	IHPHE040322*	15975.00
4	50 kVAr ▲	2	2	IHPHE050422*	16620.00
	66 kVAr	2	2	IHPHE066422*	19500.00

*To complete the Item Code suffix the coil voltage from the coil voltage table

33.3 kVAr contactor in Frame-3 can be used where higher terminal capacity is required.

Coil Voltage Selection Table

3 kVAr - 66 kVAr AC Coil

Product	110 V AC	240 V AC	415 V AC	150 V AC - 300 V AC	260 V AC - 440 V AC
HGS Capacitor Duty Contactor (3 kVAr - 66 kVAr)	H	N ▲	T	S ▲	W

▲ Stockable Item

For details on technical parameters & non stockable items contact nearest sales office.



INSTALL APFC PANEL & SAVE MONEY BY REDUCING kVAh

Features



Ergonomic, compact and robust design



Designed with 100% copper conductor



Advance C-MOS technology based micro processor for intelligent power factor control

Automatic temp. control through fans and louvers in panel



**Why pay more
due to low Power Factor**

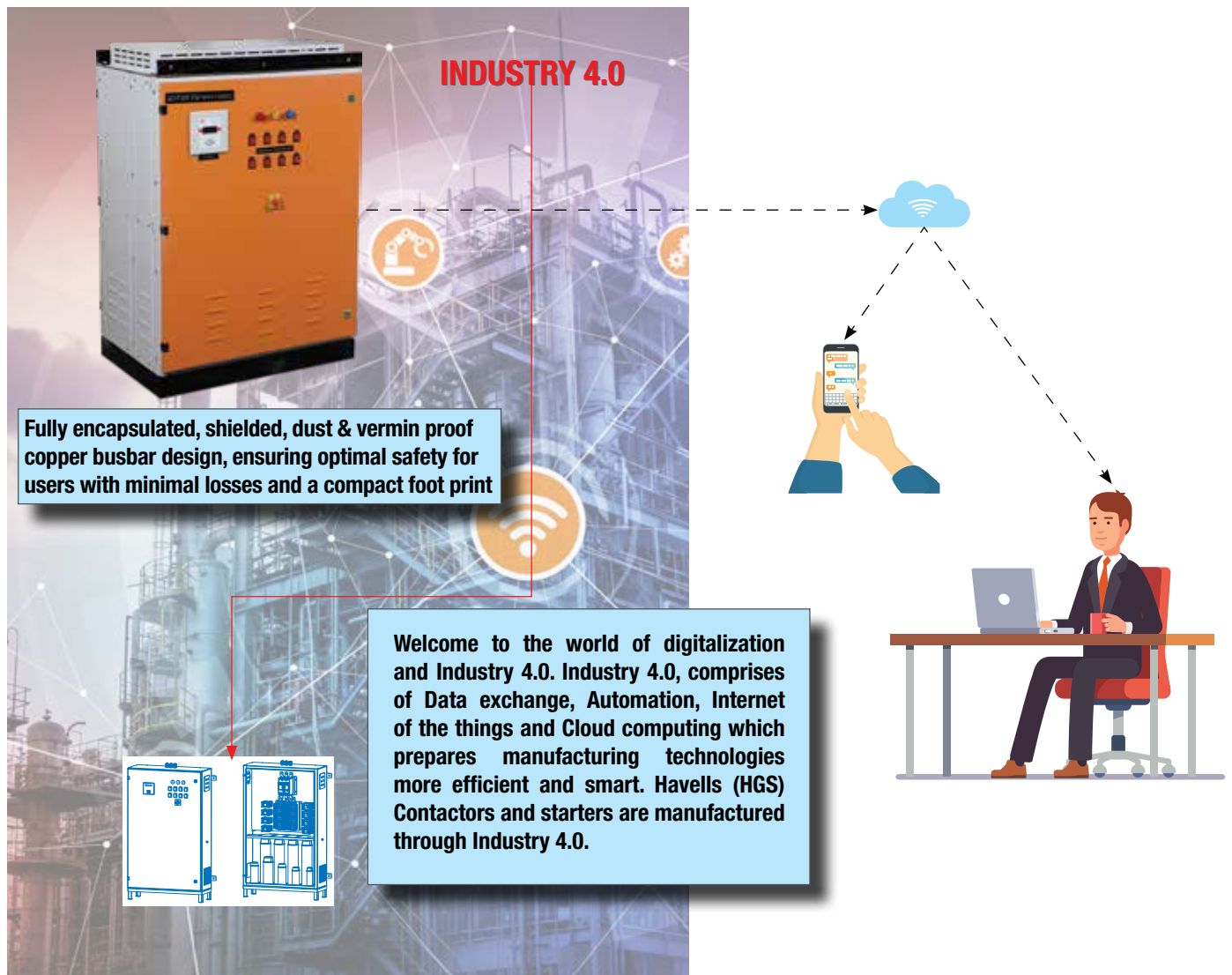
Is still there a difference in kVAh and kWh in your
Electricity Bill due to low Power Factor?

334240 kVAh
318980 kWh
1404 kVA

Electricity Bill



Smarty - Automatic Power Factor Correction Panel



INDUSTRY 4.0

Fully encapsulated, shielded, dust & vermin proof copper busbar design, ensuring optimal safety for users with minimal losses and a compact foot print

Welcome to the world of digitalization and Industry 4.0. Industry 4.0, comprises of Data exchange, Automation, Internet of the things and Cloud computing which prepares manufacturing technologies more efficient and smart. Havells (HGS) Contactors and starters are manufactured through Industry 4.0.

Range

- ▶ Output Rating: 10 kVAr - 350 kVAr as a standard SKU
- ▶ Other ratings 350 kVAr above on request
- ▶ Switching: Contactor / Thyristorised (Ultra Fast)
- ▶ APFC with Thyristor available on request

Features

- ▶ Ergonomic, compact and robust design
- ▶ Designed with Fully copper conductor
- ▶ Super Heavy Duty Capacitor power capacitor for long life
- ▶ Advance C-MOS technology based micro processor relay for intelligent power factor control
- ▶ Air core reactor for extra safety from inrush current (High currents)
- ▶ Automatic temp. control through fans and louvers in panel

Construction

- ▶ Manufactured with highly precise modern Amada CNC machine
- ▶ 11 tank process for corrosion proof powder coating
- ▶ Provision of top and bottom cable entry
- ▶ Double side earthing connection
- ▶ IP 30 & above as per customer demand
- ▶ Ref. Standard: IS 16636 / IEC 61439

Principle Operation

- ▶ To continuously sense and monitor the load conditions by the use of the external CT (whose output is fed to the control relay).
- ▶ To automatically switch ON and switch OFF relevant capacitor steps to ensure consistent power factor.
- ▶ To ensure easy user interface for enabling reliable understanding of system operation, such as display of real time power factor, number of switching operations carried out etc.
- ▶ To protect against any electrical faults in a manner that will ensure safe isolation of the power factor correction equipment.

Smarty - Automatic Power Factor Correction Panel

IEC: 61921 / IS: 16636

APFC Panel without Reactor

HSN Code: 85371000

Rating kVAr	Cat. Code	Description	Main Incomer	Per Unit LP (₹)
Rated Voltage 415 V AC, 3%, 50 Hz, Delta Connection, Super Heavy Duty Cylindrical Capacitor				
15 kVAr	QHXTCB5015X0	15 kVAr / 415 V APFC Panel CYCAP	MCB 40 A / 10 kA	78750.00
20 kVAr	QHXTCB5020X0	20 kVAr / 415 V APFC Panel CYCAP	MCB 40 A / 10 kA	85050.00
25 kVAr	QHXTCB5025X0	25 kVAr / 415 V APFC Panel CYCAP	MCB 63 A / 10 kA	95025.00
30 kVAr	QHXTCB5030X0	30 kVAr / 415 V APFC Panel CYCAP	MCB 63 A / 10 kA	113400.00
40 kVAr	QHXTCB5040X0	40 kVAr / 415 V APFC Panel CYCAP	MCCB 100 A / 25 kA	154550.00
50 kVAr	QHXTCB5050X0	50 kVAr / 415 V APFC Panel CYCAP	MCCB 100 A / 25 kA	174090.00
75 kVAr	QHXTCB5075X0	75 kVAr / 415 V APFC Panel CYCAP	MCCB 160 A / 25 kA	257250.00
80 kVAr	QHXTCB5080X0	80 kVAr / 415 V APFC Panel CYCAP	MCCB 160 A / 25 kA	273525.00
100 kVAr	QHXTCB5100X0	100 kVAr / 415 V APFC Panel CYCAP	MCCB 160 A / 25 kA	299775.00
125 kVAr	QHXTCB5125X0	125 kVAr / 415 V APFC Panel CYCAP	MCCB 250 A / 25 kA	414750.00
150 kVAr	QHXTCB5150X0	150 kVAr / 415 V APFC Panel CYCAP	MCCB 320 A / 35 kA	471975.00
175 kVAr	QHXTCB5175X0	175 kVAr / 415 V APFC Panel CYCAP	MCCB 320 A / 35 kA	521850.00
200 kVAr	QHXTCB5200X0	200 kVAr / 415 V APFC Panel CYCAP	MCCB 400 A / 35 kA	598185.00
250 kVAr	QHXTCB5250X0	250 kVAr / 415 V APFC Panel CYCAP	MCCB 500 A / 35 kA	740985.00
300 kVAr	QHXTCB5300X0	300 kVAr / 415 V APFC Panel CYCAP	MCCB 630 A / 50 kA	855750.00
350 kVAr	QHXTCB5350X0	350 kVAr / 415 V APFC Panel CYCAP	MCCB 630 A / 50 kA	963375.00

* for Higher rating please contact our branch office

APFC Technical Details

Rating kVAr	Stages	Dimensions HeightXWidthXDepth (mm)
Rated Voltage 415 V AC, 3%, 50 Hz, Delta Connection, Super Heavy Duty Cylindrical Capacitor		
15 kVAr	2 (4 kVAr) + 3 (2 kVAr) + 1 (1 kVAr)	(650x600x200) mm
20 kVAr	2 (5 kVAr) + 2 (3 kVAr) + 2 (2 kVAr)	(650x600x200) mm
25 kVAr	4 (5 kVAr) + 1 (3 kVAr) + 1 (2 kVAr)	(650x600x200) mm
30 kVAr	1 (10 kVAr) + 3 (5 kVAr) + 1 (3 kVAr) + 1 (2 kVAr)	(900x600x200) mm
40 kVAr	2 (12.5 kVAr) + 2 (5 kVAr) + 1 (3 kVAr) + 1 (2 kVAr)	(900x600x200) mm
50 kVAr	3 (12.5 kVAr) + 1 (7.5 kVAr) + 1 (3 kVAr) + 1 (2 kVAr)	(900x600x200) mm
75 kVAr	2 (20 kVAr) + 2 (10 kVAr) + 2 (5 kVAr) + 1 (3 kVAr) + 1 (2 kVAr)	(1100x700x250) mm
80 kVAr	2 (20 kVAr) + 2 (12.5 kVAr) + 2 (5 kVAr) + 1 (3 kVAr) + 1 (2 kVAr)	(1100x700x250) mm
100 kVAr	4 (20 kVAr) + 1 (10 kVAr) + 1 (5 kVAr) + 1 (3 kVAr) + 1 (2 kVAr)	(1100x700x250) mm
125 kVAr	1 (50 kVAr) + 2 (25 kVAr) + 1 (10 kVAr) + 2 (5 kVAr) + 1 (3 kVAr) + 1 (2 kVAr)	(1175x800x540) mm
150 kVAr	2 (50 kVAr) + 1 (25 kVAr) + 1 (10 kVAr) + 2 (5 kVAr) + 1 (3 kVAr) + 1 (2 kVAr)	(1175x800x540) mm
175 kVAr	2 (50 kVAr) + 2 (25 kVAr) + 1 (10 kVAr) + 3 (5 kVAr)	(1175x800x540) mm
200 kVAr	3 (50 kVAr) + 1 (25 kVAr) + 1 (10 kVAr) + 3 (5 kVAr)	(1175x800x540) mm
250 kVAr	4 (50 kVAr) + 1 (25 kVAr) + 2 (10 kVAr) + 1 (5 kVAr)	(1175x800x540) mm
300 kVAr	1 (100 kVAr) + 3 (50 kVAr) + 1 (25 kVAr) + 2 (10 kVAr) + 1 (5 kVAr)	(1675x1200x700) mm
350 kVAr	2 (100 kVAr) + 2 (50 kVAr) + 1 (25 kVAr) + 2 (10 kVAr) + 1 (5 kVAr)	(1675x1200x700) mm

APFC Panel with Detuned Reactor / Thyristor Switching

Rating kVAr	Cat. Code	Description	Per Unit LP (₹)
10 kVAr - 1000 kVAr		10 kVAr -1000 kVAr APFC Panel	Price on Request

▲ Stockable Item

For details on technical parameters & non stockable items contact nearest sales office.

Effective from 11th March, 2025

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Active Harmonic Filter



Rating in Ampere	Cat No.	Description	Per Unit MRP (₹)
50 A	On Request	50 A / 415 AHF Panel	On Request
75 A		75 A / 415 AHF Panel	
100 A		100 A / 415 AHF Panel	
125 A		125 A / 415 AHF Panel	
150 A		150 A / 415 AHF Panel	
200 A		200 A / 415 AHF Panel	
250 A		250 A / 415 AHF Panel	
300 A		300 A / 415 AHF Panel	
400 A		400 A / 415 AHF Panel	
500 A		500 A / 415 AHF Panel	

SVG (Static Var Generator)

Rating kVAr	Cat. Code	Description	Per Unit LP (₹)
50 kVAr - 1000 kVAr		50 kVAr -1000 kVAr SVG Panel	Price on Request

IEEE 519-2014 Guidelines for Harmonics Limits

Table 2 - Current distortion limits for systems rated 120 V through 69 kV

Maximum harmonic current distortion in percent of I_L						
Individual harmonic order (odd harmonics) ^{a, b}						
I_h/I_L	$3 \leq h < 11$	$11 \leq h < 17$	$17 \leq h < 23$	$23 \leq h < 35$	$35 \leq h \leq 50$	TDD
<20	4.0	2.0	1.5	0.6	0.3	5.0
20<50	7.0	3.5	2.5	1.0	0.5	8.0
50<100	10.0	4.5	4.0	1.5	0.7	12.0
100<1000	12.0	5.5	5.0	2.0	1.0	15.0
>1000	15.0	7.0	6.0	2.5	1.4	20.0



AHF Technical

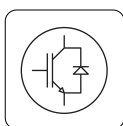
System Connection	3 P / 3 W or 3 P / 4 W
Design	Stack / Modular Design
Input Voltage	415 V (+/-10%) and 50 Hz (+/-)5% other rating on request
Phase compensation current range	15 A - 1000 A (other ratings on request)
Technology	Two Level Topology / Three Level Topology
Harmonic filtration range	2nd to 51st order
Individual harmonic selection	Available
Power factor compensation	100% (Lead / Lag)
Load Balancing	Negative Sequence Compensation (Zero Sequence compensation in 3 P / 4 W range)
Neutral Current Compensation	Available
Reaction time	<0.3 ms
Interface (Communication)	GSM, MODBUS RTU, USB, Ethernet, Profibus Compatible
IP Protection Class	IP-30 and higher on request
System Cooling	Forced air colling
Overheating Protection	Yes
Relative Humidity	96% (Non condensing)
Ambient Temperature	No deration upto 50 °C



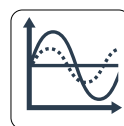
Active Harmonic Filters and ASVG Modules



Reduction of power losses



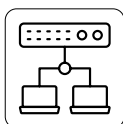
IGBT Based Technology



Harmonic Corrections



Compliance of IEEE 519



Load Balancing



Communication with
RS-485 Port

Consulting, Optimizing & Delivering Performance

Power Quality Audit Scope

- Capturing load profile of all relevant sections (with non linear loads) starting with the PCC.
- Checking effectiveness of installed Reactive power compensation system
- Identify zones of failures harmonic.
- Study electricity bills and identify scope of optimization in energy consumption pattern.

Final Deliverables

- A summary of various electrical parameters & recorded trends.
- Analysis of above data mentioning Key high lights
- Recommended Solution address the various power quality issues identified
- Estimate Potential Saving - Estimate the direct savings and provide ROI calculation (wherever applicable).



Agriculture Duty Capacitor



- Range : 1 kVAr to 15 kVAr
- Voltage 415 V
- MPP SH, Resin Velled
- Low Watt loss

Agri Boost Cylindrical Capacitors for Agriculture Applications

HSN Code: 85321000

Rating kVAr	Item Code	Description	Standard Pack No of unit/s	Master Pack No of unit/s	Per Unit LP (₹)
Rated Voltage 415 V AC, 3 ϕ , 50 Hz, Delta Connection					
1 kVAr ▲	QHATCB5001X0	AGRI BOOST ND 415 V 50 Hz-1 kVAr 3 PH	1 N	16 N	400.00
2 kVAr ▲	QHATCB5002X0	AGRI BOOST ND 415 V 50 Hz-2 kVAr 3 PH	1 N	16 N	450.00
3 kVAr ▲	QHATCB5003X0	AGRI BOOST ND 415 V 50 Hz-3 kVAr 3 PH	1 N	16 N	650.00
4 kVAr ▲	QHATCB5004X0	AGRI BOOST ND 415 V 50 Hz-4 kVAr 3 PH	1 N	16 N	805.00
5 kVAr ▲	QHATCB5005X0	AGRI BOOST ND 415 V 50 Hz-5 kVAr 3 PH	1 N	16 N	970.00
6 kVAr ▲	QHATCB5006X0	AGRI BOOST ND 415 V 50 Hz-6 kVAr 3 PH	1 N	16 N	1165.00
7.5 kVAr	QHATCB5007X5	AGRI BOOST ND 415 V 50 Hz-7.5 kVAr 3 PH	1 N	16 N	1455.00
8 kVAr ▲	QHATCB5008X0	AGRI BOOST ND 415 V 50 Hz-8 kVAr 3 PH	1 N	16 N	1555.00
10 kVAr ▲	QHATCB5010X0	AGRI BOOST ND 415 V 50 Hz-10 kVAr 3 PH	1 N	16 N	1940.00
12.5 kVAr ▲	QHATCB5012X5	AGRI BOOST ND 415 V 50 Hz-12.5 kVAr 3 PH	1 N	8 N	2425.00
15 kVAr ▲	QHATCB5015X0	AGRI BOOST ND 415 V 50 Hz-15 kVAr 3 PH	1 N	8 N	2910.00

▲ Stockable Item

For details on technical parameters & non stockable items contact nearest sales office.

(IS: 13340)

Effective from 11th March, 2025

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